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(54) Title: LINEAR BEARING

(57) **Abstract:** A bearing (1) having a frame (2), the frame at least partly surrounding two matrices (12, 16), each of a plurality of spheres (10) which are mounted for rotation so that the spheres in each matrix when the matrix is flat lie in a substantially single plane, the plane of one matrix being parallel to that of the other; the spheres of one matrix are so located that they mostly lie against the spheres on the other matrices so that rotation of the spheres of one matrix results in counter-rotation of spheres of the other matrix; the bearing formed in such a way enables the bearing to be pushed or pulled under an object such as a patient lying on the ground with little or no movement transmitted to the object/patient as the bearing moves between the object and an underlying surface. The bearing can also be used for massaging a patient who is unable to move his or her body or for bearings with civil engineering applications.

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